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State Normal School
FRAMINGHAM
Massachusetts

Seventy-first Year
1910

STATE NORMAL SCHOOL

AT
FRAMINGHAM, MASS.

ESTABLISHED JULY, 1839.

CATALOGUE AND CIRCULAR

For 1910.



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THE WALK THROUGH THE GROVE.

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¹ On leave of absence for one year.

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ANNA M. ROCHEFORT, . . .	Eighth grade.
LOUIE G. RAMSDELL, . . .	Seventh grade.
NEILLIE A. DALE, . . .	Sixth grade.
GERTRUDE K. PRATT, . . .	Fifth grade.
ALICE V. WINSLOW, . . .	Fourth grade.
CASSIE M. WHITMAN, . . .	Third grade.
ELIZABETH MALLOY, . . .	Second grade.
MAUDE A. DOOLITTLE, . . .	First grade.
PHEBE M. BEARD, ¹ . . .	Kindergarten.
A. ALICE APPLETON, . . .	Substitute for Miss Beard.

¹ On leave of absence for one year.

CALENDAR FOR 1910.

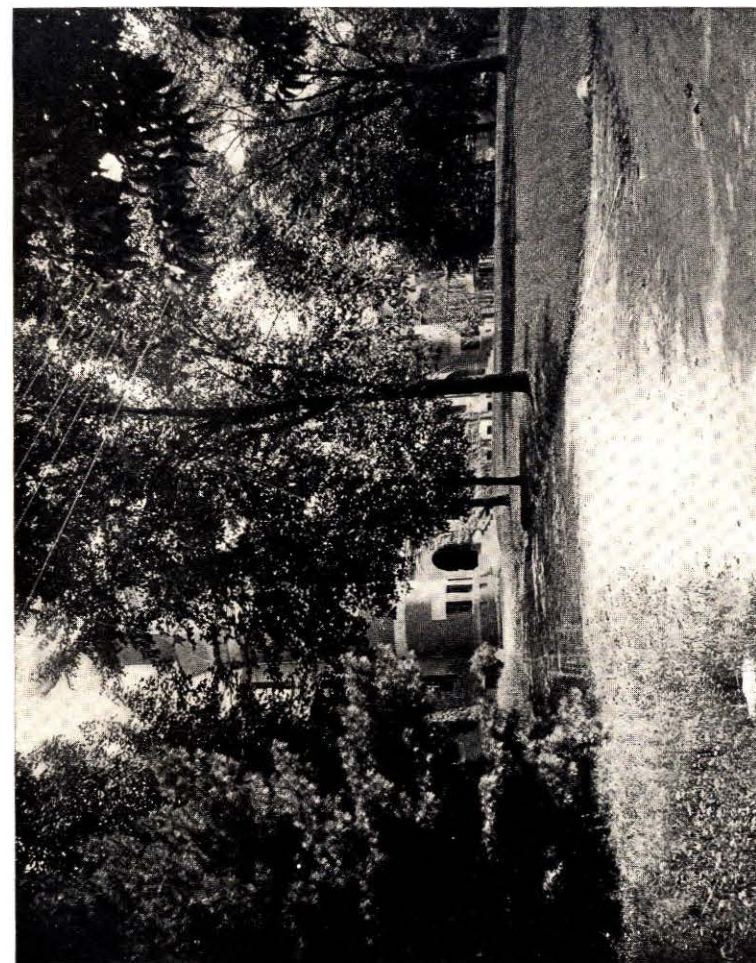
January 31,	Second term begins.
February 22,	Washington's Birthday.
March 18, at close of school,	Spring recess.
April 19,	Patriots' Day.
June 22,	Graduation.
June 23 and 24,	First entrance examinations.
September 6 and 7,	Second entrance examinations.
September 8, at nine o'clock,	School year begins.
November 24,	Thanksgiving Day.
December 23, at close of school,	Christmas recess.
January 31, 1911,	Second term begins.

SPECIAL NOTICE.

Attention is called of applicants, and principals of high schools to the statement made under "Admission by Certificate from High Schools."

Entrance examinations on the dates given above begin at 9 A.M., in the assembly hall. Candidates are to be present at the opening and on both days. They should come prepared to stay in September, as the term begins on the following day. Accommodations may be had during the examinations in one of the boarding halls, if pupils are obliged to stay over night. A lunch should be brought by others.

The school is in session every week-day, *except Saturday.*



VIEW IN GROUNDS - MAY HALL.

STATE NORMAL SCHOOL AT FRAMINGHAM.

HISTORICAL.

In pursuance of a resolve of the Legislature of Massachusetts, this school was established at Lexington in July, 1839. It is, therefore, the oldest normal school in America. It was removed to West Newton in 1844, and to Framingham in 1853.

DESIGN OF THE SCHOOL, STATED BY THE BOARD OF EDUCATION.

The design of the normal school is strictly professional; that is, to prepare in the best possible manner the students for the work of organizing, governing and teaching the public schools of the Commonwealth.

To this end there must be the most thorough knowledge, first, of the branches of learning required to be taught in the schools; second, of the best methods of teaching those branches; and third, of right mental training.

It is the design of the Framingham Normal School to give:—

1. A review of the studies taught in the public schools.
2. A careful study of the history of education and the school laws of Massachusetts.
3. A study of psychology, for the purpose of ascertaining true principles.
4. A practical application of these principles in teaching.
5. A high estimate of the importance and responsibility of the teacher's work, and an enthusiasm for it.

COURSES OF STUDY.

The school offers four courses,—an elementary course of two years, a three years' course, a special course of one year for experienced teachers and for college graduates, and a course in household arts of three years.

THE ELEMENTARY COURSE OF STUDY.

The elementary course of study is designed primarily for those who aim to teach in the public schools below the high-school grade. It comprises substantially the following subjects:—

I. The study of the educational values of the following subjects and of the principles and methods of teaching them:—

(a) English,—reading, oral and written composition, grammar, rhetoric, English and American literature,

(b) Mathematics, arithmetic and bookkeeping, algebra, plane geometry.

(c) History,—history and civil polity of the United States and of Massachusetts.

(d) Science,—physics, chemistry, mineralogy, botany, zoölogy, geography, physiology and hygiene.

(e) Drawing, vocal music, physical training, manual training.

II. (a) The study of man, body and mind, for the principles of education; the study of the application of these principles in school organization, school government, and in the art of teaching; the history of education; the school laws of Massachusetts.

(b) Observation and practice.

The time required for the completion of this course depends upon the students. It may not exceed two years for those of satisfactory preparation and superior ability; for others, three years are needed to do the work properly. In many cases more than two years are insisted upon. A diploma is given when the course is satisfactorily completed.

A THIRD YEAR FOR PRACTICE AND STUDY.

The Board of Visitors and the principal of any normal school may arrange for its students a third year of study and of practice in teaching whenever, in their judgment, such action is desirable.

A ONE YEAR'S COURSE FOR EXPERIENCED TEACHERS.

Teachers of successful experience in teaching, who bring satisfactory testimonials of maturity, good scholarship and of aptness to teach, may, with the consent of the principal and the Board of

Visitors, select a course, approved by the principal, from the general two years' course, which may be completed in one year, and when such course is successfully completed they shall receive a certificate for the same.

In order to make this course of the largest benefit, a teacher who proposes to enter upon it should have had at least three or four years' successful experience in good schools. The course presupposes that experience has given a sufficient knowledge of methodology and of the principles of education to enable such a teacher to assimilate readily the subject-matter in the branches that she may select, and to grasp quickly the principles involved. A teacher whose experience has not given her this power will fail to derive from this course its full value. Candidates for this course are not required to take entrance examinations.

A ONE YEAR'S COURSE FOR COLLEGE GRADUATES.

College graduates may be admitted to the State normal schools without examination, and may receive a diploma after satisfactorily completing a course of one year, requiring at least twenty recitation periods per week and including the advanced pedagogy and practice of the senior year.

A THREE YEARS' COURSE IN HOUSEHOLD ARTS.

The Mary Hemenway Department of Household Arts.

The department of household arts was established in Boston, under the name of Boston Normal School of Cookery, by the late Mrs. Mary Hemenway, in 1887. Its graduates easily found positions as teachers in public and private schools and in institutions. In June, 1898, the trustees of the Mary Hemenway estate offered to the State Board of Education the school, with the very generous proposal that, if the offer were accepted, Mr. Augustus Hemenway, her son, and Mrs. Louis Cabot and Mrs. Wm. E. C. Eustis, daughters of Mrs. Hemenway, would thoroughly furnish and equip such a department as a memorial of their mother.

The transfer of the Boston school to Framingham was made under the direction of Miss Amy Morris Homans, through whose fostering care the school had reached its high standing in Boston.

REQUIREMENTS FOR ADMISSION TO THE REGULAR TWO YEARS' COURSE.

GENERAL STATEMENT.

Candidates for admission to any one of the normal schools must, if young women, have attained the age of sixteen years, and if young men, the age of seventeen years. Their fitness for admission will be determined:—

1. By their standing in a physical examination.
2. By their moral character.
3. By their high school record.
4. By a written examination.
5. By an oral examination.

Physical Examination.

The State Board of Education adopted the following vote March 7, 1901:—

That the visitors of the several normal schools be authorized and directed to provide for a physical examination of candidates for admission to the normal schools, in order to determine whether they are free from any disease or infirmity which would unfit them for the office of teacher, and also to examine any student at any time in the course, to determine whether his physical condition is such as to warrant his continuance in the school.

Moral Character.

Candidates must present certificates of good moral character. In deciding whether they shall prepare themselves to become teachers, candidates should note that the vocation requires more than mere freedom from disqualifying defects; it demands virtues of a positive sort that shall make their impress for good upon those who are taught.

High School Record.

It may be said, in general, that if the ordinary work of a good statutory high school is well done, candidates should have no difficulty in meeting the academic tests to which they may be subjected.

They cannot be too earnestly urged, however, to avail themselves of the best high school facilities attainable in a four years' course, even though they should pursue studies to an extent not insisted on, or take studies not prescribed, in the admission requirements.

The importance of a good record in the high school cannot be overestimated. *Principals are requested to furnish the normal schools with records of the high school standing of candidates.* The stronger the evidence of character, scholarship and promise, of whatever kind, candidates bring, especially from schools of high reputation and from teachers of good judgment and fearless expression, the greater confidence they may have in guarding themselves against the contingencies of an examination and of satisfying the examiners as to their fitness.

Admission by Certificate from High Schools.

Candidates from high schools which are on the certificate list of the New England College Entrance Examination Board may be admitted to any of the State normal schools without examination in any subjects required for admission in which they have attained a standing of B, or 80 per cent., as certified by the principal of the school.

Candidates from high schools not in the college certificate list may be admitted on similar conditions, if the high schools are approved for the purpose by the Board of Education.

High schools desiring this approval should correspond with the Commissioner of Education.

Principals are advised to certify students in all subjects in which they have reached the rank of B, or 80 per cent., whether these subjects are required for admission or not. Then the question of substitution can be simplified.

Admission by Written and Oral Examinations.

The examinations will embrace papers on the following groups of subjects, a single paper with a maximum time allowance of two hours to cover each of groups I., II. and IV., and a single paper with a maximum time allowance of one hour to cover each of groups

III. and V. (five papers with a maximum time allowance of eight hours) :—

I. *Language*.—(a) English, with its grammar and literature, and (b) either Latin or French.

II. *Mathematics*.—(a) The elements of algebra and (b) the elements of plane geometry.

III. *United States History*.—The history and civil government of Massachusetts and the United States, with related geography and so much of English history as is directly contributory to a knowledge of United States history.

IV. *Science*.—(a) Physiology and hygiene and (b and c) any two of the following: physics, chemistry, physical geography and botany, provided one of the two selected is either physics or chemistry.

V. *Drawing and Music*.—(a) Elementary, mechanical and freehand drawing, with any one of the topics,—form, color and arrangement, and (b) music.

Oral Examination.

Each candidate will be required to read aloud in the presence of the examiners. He will also be questioned orally either upon some of the foregoing subjects or upon other matters within his experience, in order that the examiners may gain some impression about his personal characteristics and his use of language, as well as give him an opportunity to furnish any evidences of qualification that might not otherwise become known to them.

GENERAL REQUIREMENTS IN ENGLISH FOR ALL EXAMINATIONS.

No candidates will be accepted whose written English is notably deficient in clear and accurate expression, spelling, punctuation, idiom, or division of paragraphs, or whose spoken English exhibits faults so serious as to make it inexpedient for the normal school to attempt their correction. The candidate's English, therefore, in all oral and written examinations will be subject to the requirements implied in the statement here made, and marked accordingly.

SPECIAL DIRECTIONS FOR THE WRITTEN EXAMINATIONS.

I. *Language*.

English.—The subjects for the examination in English will be the same as those agreed upon by the colleges and high technical schools of New England.

For Study.—This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject-matter, form and structure.

In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books for study in 1909 are: Shakespeare's *Macbeth*; Milton's *L'Allegro*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

The purpose of the examination is to discover (1) whether the student has acquired a good habit of study; (2) whether he has formed any standards of literary judgment; (3) whether he has become discerning of literary merit; and (4) what acquaintance he has with standard English and American writers.

The examination will take such a form that students who have followed other than the prescribed lines of reading may be able to satisfy the examiners on the above points.

II. *Mathematics*.

(a) The elements of algebra through affected quadratic equations.

(b) The elements of plane geometry.

While there is no formal examination in arithmetic, the importance of a practical working acquaintance with its principles and processes cannot be too strongly emphasized. The candidate's proficiency in this subject will be incidentally tested in its applications to other subjects.

In geometry the candidate's preparatory study should include independent solutions and demonstrations,—work that shall throw

him upon his own resources; and his ability to do such work will be tested in the examination. An acquaintance with typical solid forms is also important, — enough, at least, to enable the candidate to name and define them and to recognize the relations borne to them by the lines, planes, angles and figures of plane geometry.

III. United States History.

Any school text-book on United States history will enable candidates to meet this requirement, provided they study enough of geography to illumine the history, and make themselves familiar with the grander features of government in Massachusetts and the United States. Collateral reading in United States history is strongly advised; also in English history so far as this history bears conspicuously on that of the United States.

IV. Science.

(a) *Physiology and Hygiene.* — The chief elementary facts of anatomy, the general functions of the various organs, the more obvious rules of health, and the more striking effects of alcoholic drinks, narcotics and stimulants upon those addicted to their use.

(b and c) *Any Two of the Following Sciences, — Physics, Chemistry, Botany, Physical Geography, provided One of the Two is either Physics or Chemistry.* — The chief elementary facts of the subjects selected, so far as they may be presented in the courses usually devoted to them in good high schools. It will be a distinct advantage to the candidate if his preparation includes a certain amount of individual laboratory work.

A laboratory notebook, with the teacher's endorsement that it is a true record of the candidate's work, will be accepted as partial evidence of attainments in the science with which it deals. The original record should be so well kept as to make copying unnecessary.

V. Drawing and Music.

(a) *Drawing.* — Mechanical and freehand drawing, — enough to enable the candidate to draw a simple object, like a box or a pyramid or a cylinder, with plan and elevation to scale, and to make

a freehand sketch of the same in perspective. Also any one of the three topics, — form, color and arrangement.

The correlation of drawing with other subjects as a natural mode of their expression is progressively taught.

Studies from nature and in design and an elementary knowledge of schools of art are also required.

(b) *Music.* — Such elementary facts as an instructor should know in teaching singing in the schools, including major and minor keys, simple two, three, four and six part measures, the fractional divisions of the pulse or beat, the chromatic scale, the right use of the foregoing elements in practice, and the translation into musical notation of simple melodies or of time phrases sung or played.

IMPORTANCE OF ADEQUATE PREPARATION.

Candidates should measure their duty of making adequate preparation not wholly by the subjects selected and the papers set for the admission examinations, but by the larger demands their chosen vocation is sure to make upon them. The more generous and thorough, therefore, the preparation of the candidate, the greater the likelihood of profiting by the normal school, of completing the elementary course on time, of securing employment after graduation, and of doing creditable work as a teacher.

EQUIVALENTS.

Special cases that raise questions of equivalents will be considered on their merits.

Successful experience in teaching is taken into account in the determination of equivalents in the entrance examinations, and reasonable allowance in equivalents is made in case the candidate, for satisfactory reasons, has not taken a study named for examination.

DIVISION OF THE EXAMINATIONS.

Preliminary examinations are to be taken in June only.

Candidates may be admitted to preliminary examinations a year in advance of their final examinations, provided they offer them-

selves in one or more of the following groups, each group to be presented in full:—

- II. Mathematics.
- III. United States history.
- IV. Science.
- V. Drawing and music.
- VI. French.

Examinations in Group I., Language, except French, can be taken only in the senior year.

Every candidate for a preliminary examination must present a certificate of preparation in the group or groups chosen, or in the subjects thereof, the form of certificate to be substantially as follows:—

_____ has been a pupil in the

_____ School for _____ years, and is, in my judgment, prepared to pass the normal school preliminary examination in the following group or groups of subjects and the divisions thereof:—

Signature of principal or teacher, _____

Address, _____

The group known as I. Language must be reserved for the final examinations. It will doubtless be found generally advisable in practice that the group known as IV. Science should also be so reserved.

While division of the final or complete examinations between June and September is permissible, it is important both for the normal school and for the candidate that the work laid out for the September examinations, which so closely precede the opening of the normal schools, shall be kept to a minimum. Candidates for the final or complete examinations are earnestly advised, therefore, to present themselves in June.

PRACTICE SCHOOL FOR THE REGULAR DEPARTMENT.

All the schools in the village of Framingham Centre have been put under the charge of the Board of Education for a training school, through the courtesy of the school committee of Framingham.

As in these schools there are all the grades below the high school, the students have an opportunity for observation and actual teaching under the care and criticism of experienced and interested teachers. During the senior year each student has twelve weeks of teaching and observation. In this time she becomes somewhat familiar with the work in nearly all the nine grades. Many of the graduating class have an opportunity to substitute and assist in schools of Framingham and the neighboring towns.

The opportunity that is also provided for teaching and observing in an ungraded school is of special advantage to a pupil.

The practice school is directly related to all the work in the normal school proper, and the students are taught to carry out the principles of teaching which they have learned in the class rooms in the normal department. The work in these schools forms an important part in the education of the students.

THE MARY HEMENWAY DEPARTMENT OF HOUSEHOLD ARTS.

A THREE YEARS' COURSE IN HOUSEHOLD ARTS.

Requirements for Admission to the Department of Household Arts.

All the requirements for admission to the regular department of the school in regard to examinations, tuition, testimonials, and such rules and regulations as are from time to time given for the conduct of the school, are the same for the household arts department.

General Statement.

The instant the State assumes the right to teach manual training, that moment has it included household arts in such training, while those who are dissatisfied with the financially nonproductive

utilities of knowledge see in extension of manual training the road to self-support and patriotic citizenship.

The principal object of this department is to provide for the adequate training of teachers of various household arts, especially of cookery in its various forms. The instruction includes courses in household sanitation and hygiene; in bacteriology, chemistry and physics; in practical and scientific laundry work; in bookkeeping; "first aid" and home nursing, such as would be necessary in the position of matron or superintendent of boarding halls or public institutions; also in sewing and elementary dressmaking. The pupils are taught sewing systematically, that they in turn can teach their pupils to measure and draft patterns and the best method of making garments from patterns.

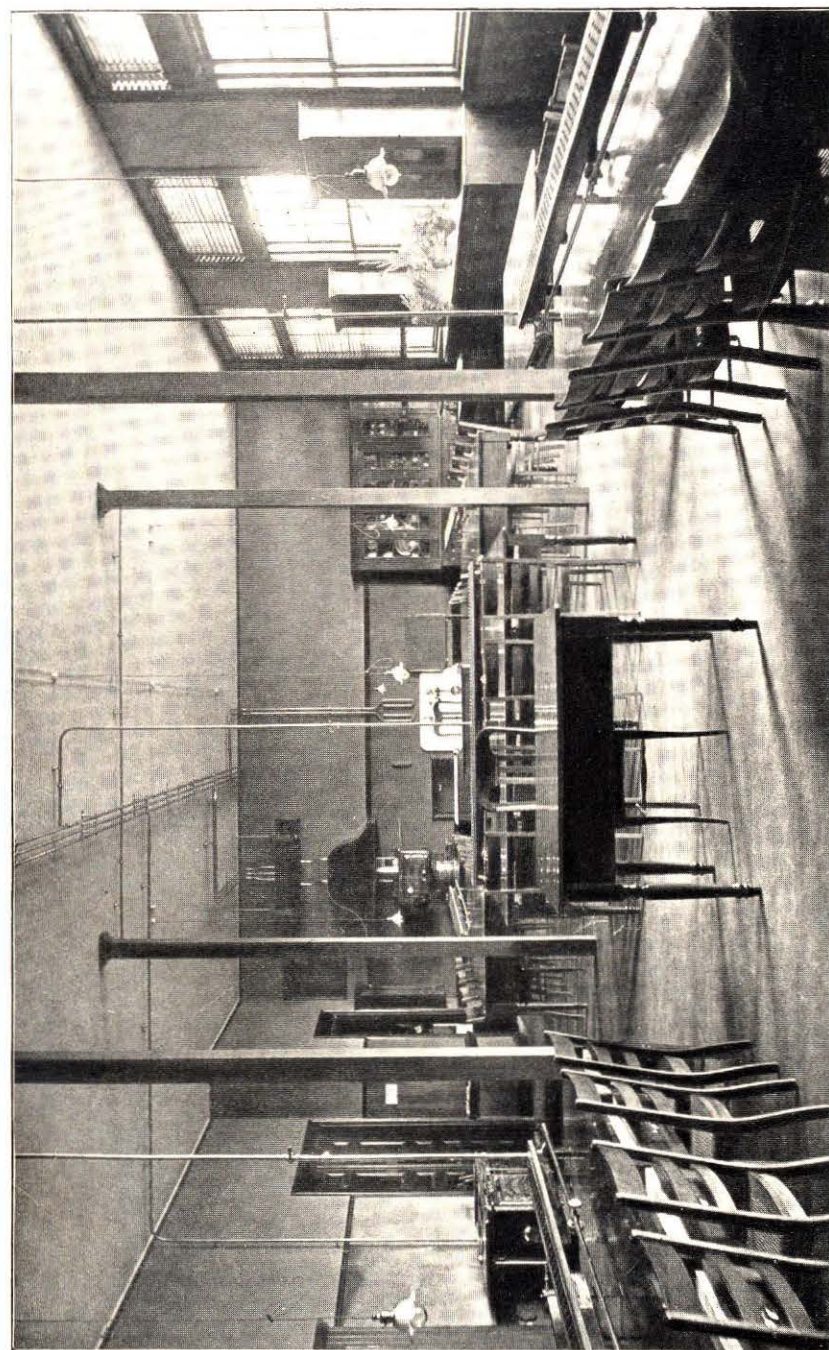
The course in marketing is of large practical value, whereby the students are trained in the preparation of dietaries at given prices for varying numbers of persons, how to judge of meats and how to buy them, by visits to meat shops, where the butcher cuts up the meat before the class, at the same time giving it practical instruction. The students are also required to visit grocery and other establishments, and to make themselves familiar with the supply and demand of staples and their prices.

Each student by conference learns how to prepare the menu for a large family, according to market supplies and prices. She takes her turn in presiding at the dinner table in one of the boarding halls, and in carving the meats.

As the boarding halls offer ample facilities for the demonstration of the science of household arts in daily living, the seniors of this department are expected to further qualify themselves as teachers of household arts or as superintendents of institutions by actual doing of the details of housekeeping and cookery in the boarding halls.

The industrial training as taught in the household arts course is supplemented by manual instruction, woodwork and elementary arts and crafts.

With the opening of this department the principle of industrial education as a component part of all sound education, and its maintenance as an enduring fact in normal training, was established



LABORATORY OF HOUSEHOLD ARTS.

at Framingham Normal School. Since that time the need of industrial education has increased, until it is now recognized that the graduates of a normal school, in order to fulfill successfully their duties as teachers, must be competent in one way or another to contribute to the teaching of industrial as well as of academic education and pedagogy.

It is the aim of the instruction in all branches to teach the student self-reliance, and to equip her with practical knowledge based upon experiment and observation.

The time required for the completion of this course is three years. Household arts students may be qualified to do satisfactory work in many of the branches taught in the regular two years' normal course. A diploma is given when the course is satisfactorily completed.

Outline of the Three Years' Course of the Department of Household Arts.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Cookery,—principles and methods.	Cookery,—advanced course. This includes cookery for the sick.	Cookery or practical dietetics. This includes making of menus, preparation of dinners, observation and cooking in the boarding halls, marketing and keeping of accounts.
General chemistry and qualitative analysis.	Quantitative and organic chemistry.	Food and dietetics.
Physics, biology, .	Physiology, . .	- - -
Sewing, . . .	Advanced sewing, .	Bacteriology.
Drawing, . . .	Drawing, . . .	Drawing as applied to household decoration and mechanical drawing.
Gymnastics, . .	Gymnastics, . .	- - -
French, . . .	French, . . .	Household sanitation.
English, . . .	English, . . .	What to do in emergencies.
- -	Laundry, . . .	- - -
- -	Psychology, . .	Pedagogy.
- -	Teaching, sewing and cookery.	Teaching, sewing and cookery.

Practice School for the Department of Household Arts.

The practice school of this department is very broad in its scope. It combines classes in sewing and cookery. These classes come from elementary and secondary schools. The main part of the practice school is carried on in the main school building of the school. Upon almost all school days three classes in cookery may be seen at work, each class under the direction of a senior, assisted by a member of the middle junior class. On other days the seniors instruct classes in sewing, juniors from the regular course and pupils from the regular practice department. All of this work is done under careful supervision. The members of the middle junior class under this plan have a year's observation and assistance which prepares them for their teaching in the senior year. In addition to this teaching at home each senior carries on independent classes in sewing and cookery in Framingham and in the neighboring towns. These classes are made up from elementary and secondary schools. At the present time such work is being carried on in fourteen educational centers. Such an arrangement for practice affords the pupil teacher a rare opportunity to become acquainted, at first hand, with the problems of general school organization and management of both elementary and secondary schools. Being in a great measure responsible for the control of her class in these centers, she learns some of the lessons of discipline for herself and for her pupils. This arrangement is a fine process of development for her, and trains her to meet successfully the question of controlling and teaching.

A Detailed Statement of the Courses in Science in the Department of Household Arts.

Physics. — This study has a direct and permanent practical value in household arts. The instruction consists of lectures, recitations and demonstrations upon the fundamental principles of matter and energy, as brought out in the study of heat, light, sound, electricity and magnetism.

Chemistry. — The courses in chemistry form a progressive series, and are intended to prepare the students in a systematic way for a thorough comprehension of the underlying principles of foods, their cookery, fuels, illuminants, dyeing and cleansing. The instruction begins with a thorough course in general chemistry, followed by qualitative and quantitative analysis, organic and physiological chemistry and chemistry in the home. All of these courses include lecture, class room and laboratory work.

Food and Dietetics. — This subject gives the student a thorough understanding of the economic, nutritive and physiological value of foods, condiments and stimulants, their action and effect, singly and in combinations; and of how to plan dietaries in health and disease, — in fact, it co-ordinates the knowledge obtained in the kitchen and laboratory.

Household Sanitation. — This course deals with the hygienic aspects of the interior and exterior of the home, as brought out in the study of soils, the construction, furnishing, heating, lighting, plumbing, water supply, drainage, ventilation and disinfection of the house.

Instruction in the above subjects is given by Mr. F. W. Howe and Miss Young.

Physiology. — The work in physiology consists of lectures, demonstrations by means of models, and exercises in the laboratory. The structure and functions of the various sets of organs are studied, considerable use being made of the compound microscope in observing the cell structure of the body. The relations of the cells to the various physiological processes are discussed.

Special attention is given to the organization and functions of the digestive system, and to the processes of assimilation and nutrition.

Bacteriology. — A study of bacteria from the economic point of view. The general characteristics of the bacteria are discussed, and their presence in water, milk and food supplies are investigated in the laboratory. Some time is given to the consideration of their relation to disease, to theories of immunity, and to the use of antiseptics.

Practical exercises in the isolation and identification of certain forms of bacteria are given, and tests of commercial disinfectants are made.

General Biology. — This course is designed to acquaint the student with the development of structure and function in both plants and animals. Progressively arranged types are observed in the laboratory, proceeding from the simpler to the more complex forms in both kingdoms. The knowledge obtained in this course is intended to serve as a foundation for the more advanced study of physiology and bacteriology.

Instruction in the above subjects is given by Dr. A. E. Lambert and Miss Haviland.

The Course in Household Arts Laboratory Kitchen.

This course has for instructors Miss Nicholass, director, Miss Penniman and Miss Young.

The subjects which have thus far been described have had to deal with what might be called household sciences. Their practical application finds pre-eminently a place in the household arts laboratory, and their demonstration can be denominated household arts.

To illustrate the character of the instruction provided for in the household arts laboratory, the following outline of courses in the principles and practice of cookery and laundry work is given somewhat in detail.

The work is arranged on educational as well as on technical lines, and therefore affords both theoretical and practical instruction, and is given in a well-equipped household arts laboratory.

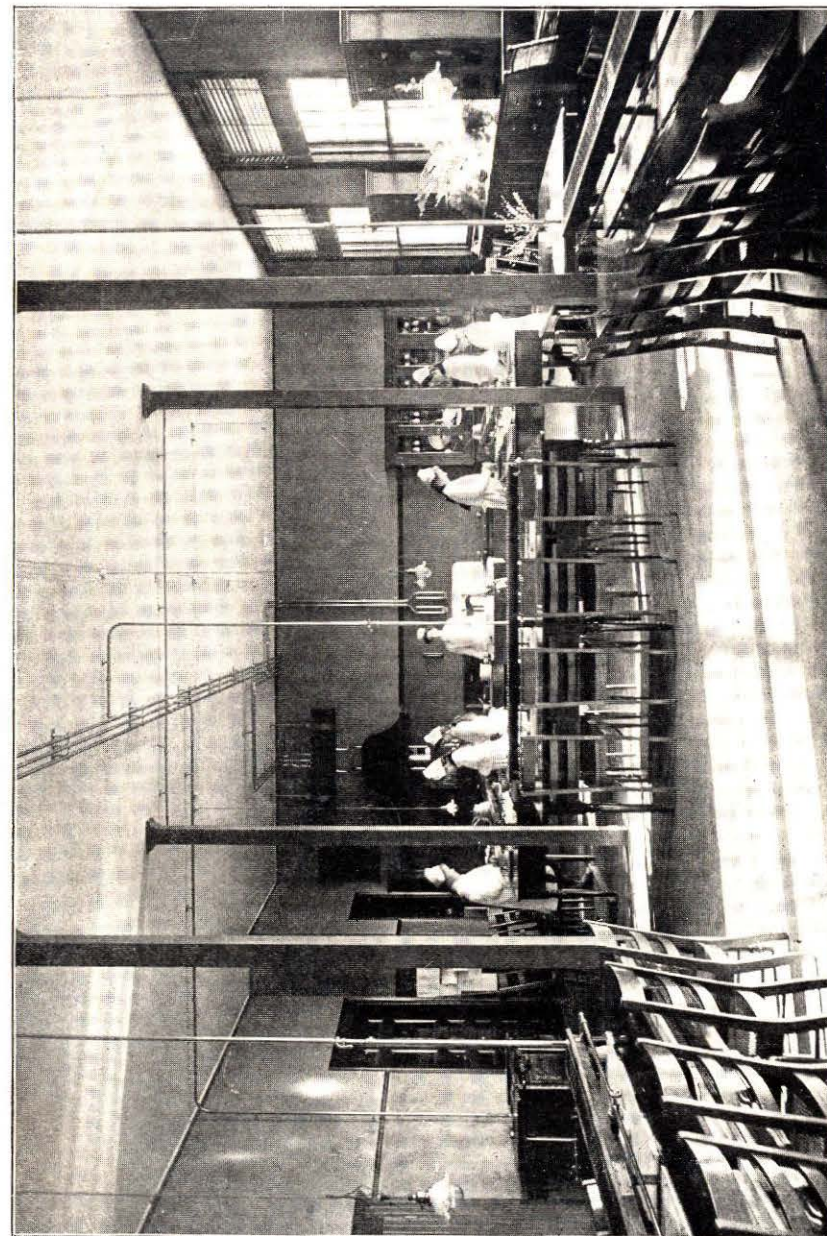
Household or plain cookery, breads, roasts, stews, puddings, pickles.

Advanced cookery, including preserving, canning and the making of jellies, jams and marmalades.

Frozen and fancy dishes.

Special cookery for the very sick (therapeutic cookery), and its application for hospital nurses in training schools.

Principles of Cookery. — The five "food principles" or "nutrients" are carefully considered, viz.: water, mineral matter, car-



PRACTICE CLASS OF HOUSEHOLD ARTS.

bo-hydrates, proteids or albuminous fluids, and fats. The subjects of the course are developed as follows:—

Fuels. — Principles of combustion, conditions for sustaining; use and costs of the ordinary fuels.

Construction of both coal and gas ranges, with practice in the use of such apparatus, and in the building, regulation and care of coal fires.

Principles and experimental work relating to the Aladdin oven. The chafing-dish.

Food-stuffs. — Introductory. General composition of the human body.

Classification of nutrients needed, and a study of the different food-stuffs as the source of supply.

Milk as a Type. — Experiments to illustrate its constituents and properties.

Water. — Is considered as a cooking medium with experiments. Thermometers (Fahrenheit and Centigrade) are standardized, and used in the boiling water and the cookery of starch, sugar, albumen and fats.

Mineral Matter. — The various salts of food materials.

Carbo-hydrates. — Sources: (a) Starch, — composition; experiments; cooking temperature. Practical application to cookery of starchy food-stuffs, as cornstarch, rice, macaroni, etc.; grains, vegetables; the use of cornstarch and flour in the making of sauces and thickening of soups. (b) Sugars, — composition. The cooking of cane sugar; the use of thermometer; the degrees of heat required for different results, as in soft and hard caramel (for coloring soups and sauces); also for soft and hard candies, as in French cream candies or *fondant* and glacé fruits; practical tests for the same.

Practical applications, including the preparation of dishes containing starch, sugar and fruits in various combinations, are then made.

Proteids or Albuminous Foods. — Albumen: sources; type, white of egg. This subject is studied and experimentally developed by the same general methods as the cookery of starch, and the *principles of its cookery* as applied to the making of various dishes, as soft and hard cooked eggs; poached and baked; combined with

milk in other forms, as in creamy eggs; and soft and baked custards of different kinds. The combination of milk, starchy and albuminous food materials in dishes for breakfast, luncheon or dessert. The cookery of albumen as applied in the cooking of fish, poultry and meat. Methods of their cookery. Objective points. Heat transferred.

In connection with meat cookery the albuminoids are considered.

Albuminoids: sources; gelatine, prepared in the form of soup stocks, brown and white.

Principles and rules for clearing stock. Soups: stock and vegetable; milk and cream. Gelatine dishes: commercial gelatine, kinds, costs and uses; plain jellies; jellies with egg or egg and cream in different combinations, as used in the making of wholesome desserts.

Fats. — Sources: constitution; effects of heat; use and importance in the dietary.

Batter and Dough Mixtures. — (1) Expansion by air and moisture, as affected by heat to make porous. (2) The application of these principles to the preparation of popovers and Yorkshire pudding, wheat and gluten wafers, cream and sponge cake. (3) Expansion of batters and doughs by use of chemicals, as cream of tartar and soda or other acids, or acid salts with the alkaline salt; soda, in combination. Objective points: principles and properties; experiments; application to the preparation of breakfast breadstuffs, gingerbread, desserts and cake. (4) Baking powders; general composition of standard powders; chemical reactions and products, with applied principles of chemistry; formulas, with practical applications to the preparation of breadstuffs, cakes and desserts.

Fermentation. — Fermentation by yeast, and its application to the preparation of bread, rolls and biscuit, also for breakfast muffins and gems. Experimental work with *flour* of different kinds. Individual practice required in bread making.

Outline of the Course in Practical Laundry Work.

Examination of fabrics, as cotton, linen, woolen and silk; effect of cold and hot water.



NORMAL CLASS OF HOUSEHOLD ARTS.

The use of chemicals as cleansing agents; namely, soaps, washing-powders, soda, ammonia and borax.

Removal of stains, as fruit, tea and coffee, iron rust, etc.

Household Linen. — Preparation for the laundry; cleansing, drying and starching, hot and cold processes; folding, ironing; special, embroideries and laces; bluing, kinds, composition (tests with experiments) and use; application as desired.

OTHER REQUIREMENTS FOR ADMISSION.

1. *Intention to teach*. — Candidates must declare their intention to complete the course of study in the school, if possible, and afterwards to teach in the public schools of Massachusetts for at least one year.

2. *Tuition*. — To persons who live in Massachusetts tuition is free; but persons from another State than Massachusetts, attending a normal school supported by this State, shall pay at the beginning of each half-year session, to the principal of the school attended, the sum of twenty-five dollars for the use of the school.

3. *Examinations* for admission take place at the close of the school year in June, and also at the beginning of the school year in September. (See calendar.) Copies of examination papers will be sent on application.

Classes are formed only at the beginning of the fall term.

GENERAL INFORMATION.

EXPENSES, BOARD, STATE AID, ETC.

Books. — Text-books and reference books are furnished; the only expense is for stationery and some drawing material. Students are occasionally advised to buy a book which is thought to be indispensable as a part of their outfit as a teacher. Such books are furnished at cost. Students who are to live in the boarding halls are advised to bring such text-books as they have which are of recent publication.

Boarding Halls. — There are upon the school grounds two boarding halls, Crocker Hall and Normal Hall, which are made as homelike as possible. They are heated by hot water, lighted by

electricity, furnished with the best sanitary and lavatory arrangements of hot and cold water, and supplied with pure drinking water. Each hall has two parlors set apart for the use of the students, one as a reception room for friends who call, the other for the sole use of the students. The students' parlors have each a piano, also a small library.

Those who intend to room in one of the boarding halls must make application for a room as soon as it has been decided to enter the school. This will be of great assistance in assigning rooms, and make it positive that the applicant has a room.

Price of Board. — The price of board is \$160 a year, \$80 per term. This includes everything. It must be paid as follows: \$40 at the beginning and \$40 at the middle of *each* term. (For term see calendar.) In case of illness or *unavoidable* absence, the expense of board, for a limited period, is shared between the State and the student.

These rates are made on the basis that two students occupy one room.

Parents and guardians are requested to make all payments for board, by checks or otherwise, to Mrs. E. E. Hemenway, cashier.

What Students are to furnish. — Students who board in the halls must furnish their own towels, table napkins, napkin ring and bed linen. The bed linen should be two complete sets for single beds, the pillow-cases one-half yard wide, the sheets two and three-quarters yards long and only one and one-half yards wide. These measurements are exactly suitable for the single bed in use. Students must bring a laundry bag.

Every article which goes into the laundry must be *very distinctly and permanently marked* with the owner's name, and where it may be easily found. Trunks, also, must be marked so as to be easily identified.

Linen Required, Household Arts Department. — Three or four plain white shirt waist costumes: material, white pique or other white material; skirt, walking length; white stocks and belts. Four white aprons: material, linen preferred (a plain white cotton fabric may be used); pattern, a full skirt, with plain bib having narrow side straps, the straps passing over the shoulders to the back, and

then crossed to fasten at the belt with button and buttonhole. Six towels: material, "Tumbler towelling," blue and white ($\frac{1}{4}$ -inch check); length of towels, three-quarters yard each, with loop or buttonhole to hang from the apron. Two round holders: material, dark blue denim, bound with woolen braid to match, and to be hung from the side, one-half yard in length, by a buttonhole. Caps furnished at cost. Note: linen and pique should be shrunk before making. A laundry apron is required. Further information in regard to these aprons will be given at the school. A chemistry apron is necessary: material, preferably dark blue serge, mohair or India twill; pattern, a sack or yoke apron (round, square or V neck).

All articles required must be *very distinctly and permanently marked* with the owner's name. *Rubber heels* for the *boots* are required.

State Aid. — The rule of the State Board of Education in regard to State aid is as follows: Aid is not furnished during the first term of attendance. Applications for this aid are to be made to the principal in *writing*, and shall be accompanied by such evidence as shall satisfy him that the applicant needs the aid. State aid to students in the normal schools shall be distributed to the several schools according to the number of applicants therein; but the selection of the recipients shall be made from such students as are in good and regular standing. In this distribution of State aid the pupils who live in towns where normal schools are situated shall not be considered as entitled to any portion thereof.

REGULATIONS.

Students in a normal school who are preparing to become teachers should be able and willing to control themselves. They should be practically interested in working out problems of self-government, and should make rules and regulations absolutely unnecessary. The principal of the school desires to allow the greatest possible freedom of action in all particulars. There are, therefore, but a few simple rules, such as obtain in any well-regulated family.

PHYSICAL CULTURE.

All students are obliged to take exercises in the gymnasium, under the direction of the instructor in gymnastics, during the entire course.

The object of this work is two-fold: first, to keep the student in the best physical condition possible, through her own efforts, aided by the constant supervision of the instructor; second, to prepare her to carry on the work in the schools in which she will teach.

There is also given a course of practical instruction in the "emergencies" of the home and school, and in the detection and recognition of diseases, especially those which are considered contagious.

In addition to the regular gymnasium work, much attention is paid to the out-door life of the students. Each student is expected to take a certain amount of exercise out of doors every day. To help make this requirement pleasant and profitable, an opportunity is given for playing tennis, basket ball, field hockey and tether ball.

The gymnasium suit consists of full bloomers and a perfectly loose shirt waist of some dark material, preferably black serge, India twill or mohair. Further information in regard to these suits will be given at the time of the June and September examinations or by mail.

LUNCH ROOM.

As a large number of the students who come to the school each day by steam or electric cars do not care to go to the boarding halls for their lunch, two rooms in May Hall, the school building, have been fitted up for their use. Here they will be provided *at cost* with hot cocoa and different kinds of soups made by students of the household arts department, to supplement their own lunch.

EMPLOYMENT.

There is a constant demand for *good* teachers. A student, to graduate, must meet, in her academic and practice school work, certain requirements. If these requirements are fully met, there is no difficulty whatever in finding employment.



VIEW IN GROUNDS - LUCRETIA CROCKER HALL.

VISITORS.

The school is always open to the public. Parents and guardians are cordially invited to visit it often. School committees, superintendents and teachers also are especially invited to visit the school and make themselves familiar with its work. They will be welcome at all times.

Committees are requested to ask for the diplomas of applicants for schools who represent themselves as graduates of this school.

For catalogues or further information, also for board in the boarding halls, address the principal at Framingham.

LIST OF STUDENTS—1910.

SENIORS.

Badger, Edith Caroline, ¹	Milton.
Bailey, Inez Madison,	Marlborough.
Blickhahn, Gladys, ¹	St. Louis, Mo.
Blood, Addie M.,	Medfield.
Bond, Margaret A.,	Natick.
Brooks, Gertrude Estelle,	Norwell.
Brooks, Myrtle Winslow, ¹	Weston.
Buffington, Isa Leona,	Natick.
Burr, Nina Marion,	Mendon.
Carpenter, Florence Elizabeth, ¹	Springfield.
Caunt, Mary Lucy,	Weston.
Chadwick, Edith Mabel,	Framingham.
Childs, Edith Marion, ¹	Waban.
Coffin, Edna Crawford,	Edgartown.
Condon, Nellie Agnes,	Hopkinton.
Connelly, Martha C.,	Natick.
Cook, Marion H.,	South Natick.
Coolidge, Elizabeth Dowse,	Sherborn.
Corey, Marjorie Mary, ¹	Northborough.
Coughlin, Mary Veronica,	Concord Junction.
Creedan, Elizabeth Angela, ¹	Hopkinton.
Cunningham, Mary Philomena,	Holliston.
Daniels, Laura Antoinette,	Foxborough.
Davenport, Marjorie Hammond,	West Medford.
Davitt, Frances Margaret,	Cochituate.
Dean, Annie Louise,	Westborough.
Dean, Elizabeth L., ¹	Millis.
Delay, Elizabeth M.,	Somerville.
Dodd, Annie Margaret,	Ashland.
Fay, Nellie Stuart,	Westborough.

¹ Household arts.

Fair, Ethel,	Framingham.
Fisk, Norma Maud,	Upton.
Ford, Anna Cecilia,	Cochituate.
French, Floy,	Waltham.
Gerrity, Nellie Josephine,	South Framingham.
Gleason, Julia Frances,	Concord.
Greenleaf, Minnie Maude,	Newton Upper Falls.
Greenwood, Eleanor M.,	Walpole.
Gullifer, Jessie Harriet,	Belmont.
Hall, Corinne, ¹	Newton.
Hall, Fanny Beatrice, ¹	Marlborough.
Hall, Isabel Marcia,	South Framingham.
Hamilton, Margaret F.,	Concord Junction.
Harrington, Kathryn Agnes,	Mendon.
Haskell, Bessie Marjorie,	Northborough.
Hastings, Julia F.,	Clinton.
Haviland, Dorothy Howard,	Southborough.
Hewins, Maud Irene, ¹	Harvard.
Hicks, F. Isabel,	Natick.
Holmes, Clara Abbie,	Becket.
Howe, Ilma Ruggles,	Westborough.
Howard, Vesta Franklin, ¹	Brockton.
Hunt, Beatrice A., ¹	Marlborough.
Huntington, Esther E., ¹	Newton Center.
Husley, Marian Guilford,	Chelsea.
Jones, Alma Alvira,	Waltham.
Kelly, Kathryn L.,	Newton Center.
Kirkley, Edith Dean,	South Attleborough.
Lewis, Rosalie,	Auburndale.
MacChlerie, Helen Ruth,	Watertown.
MacCully, Annie Douglas,	Wayland.
MacIntosh, Helena Isabell,	Watertown.
Mague, Sophia Cecelia,	West Newton.
Mars, Eleanor Frances,	Walpole.
Martin, Ida Veronica,	Milford.
Mathewson, Gertrude May,	Fall River.
Maxwell, Zora P.,	Northborough.
McDermott, Mary Frances,	Fall River.
Moore, Helen Julia,	Sudbury.

¹ Household arts.

Morgan, Elizabeth Calla,	Brighton.
Moulton, Ethel I.,	Natick.
Munroe, Olive E.,	Waltham.
O'Brien, Nellie T.,	Natick.
Oldham, Elizabeth Constance,	Norwood.
Palson, Jennie Tracy, ¹	Gloucester.
Parker, Laura Grosvenor, ¹	New Bedford.
Pollard, Marion Louise, ¹	Newton Highlands.
Porter, Grace Eunice, ¹	Leeds.
Porter, Marguerite Elizabeth,	Cambridge.
Preston, Linda Kate, ¹	Springfield.
Reardon, Lillian Margaret,	Waltham.
Ruth, Louise Agnes,	New Haven, Ct.
Sanborn, May,	South Framingham.
Seully, Agnes Gertrude,	Holyoke.
Shaughnessy, Katherine Marion,	Ashland.
Shaw, Helen Thaxter,	Rockland.
Shaw, Lillian Harlow,	Fall River.
Simons, Mildred Whitney,	Riverdale, N. H.
Sinclair, Marion E.,	Ashland.
Spaulding, Marion, ¹	Newton Highlands.
Stebbins, Florence Copeland, ¹	Deerfield.
Swasey, E. Phyllis, ¹	Winchester.
Taylor, Helen L., ¹	Holliston.
Taylor, Ruth Elinor,	Framingham.
Thrall, Mary Eliot, ¹	Leicester.
Trask, Hattie Marion,	Weston.
Warren, May E.,	Newton Upper Falls.
Wells, Eleanor F., ¹	Wellesley Farms.
Wentworth, Elizabeth Lord,	Chelsea.
White, Helen Louisa, ¹	Newton Highlands.
Whitney, Nella, ¹	Hyde Park.

MIDDLE JUNIORS, HOUSEHOLD ARTS.

Bennett, Helen Louise,	Fairhaven.
Breitzke, Gertrude A.,	Newton Center.
Bridges, Agnes M.,	South Framingham.
Childs, Edna Madeline,	Natick.

¹ Household arts.

Fisher, R. Shirley,	Gloucester.
Fuller, Rena Marie,	Weymouth.
Gould, Edith Florene,	Worcester.
Hough, Tillie V.,	Malden.
Kinsley, Annie Frances,	West Acton.
Lockwood, Helen Elizabeth,	Newton Center.
Miller, Avis C.,	Charlestown.
Parsons, Bertha Knox,	Southampton.
Ritchie, Marion Frances,	Somerville.
Rogers, Grace Elizabeth,	Norwich, Ct.
Ryder, Helen Taylor,	Wakefield.
Scott, Adelaide E.,	Brockton.
Seagrave, Elsie Marion,	Wellesley.
Smith, Elizabeth B.,	New Haven, Ct.
Spaulding, Amy L.,	Newton Highlands.
Staples, Ruth,	Westborough.
Walker, Mary Catharine,	Cambridge.
Ward, Edith T.,	Athol.
Whitney, Hazel Stuart,	Brockton.

JUNIORS.

Acton, Kathryn Irene,	Ashland.
Adams, Effie Louise,	Westborough.
Adams, Marion Barrows, ¹	Dorchester.
Adams, Mary, ¹	Spencer.
Alden, Edith C., ¹	Brockton.
Allen, Florence R., ¹	North Attleborough.
Allen, Sara Thomas, ¹	Dartmouth.
Barker, Marjorie Deane, ¹	Brockton.
Bartlett, Marion Faye, ¹	Easthampton.
Bennett, Pauline A., ¹	Haverhill.
Bent, Elizabeth Aloysius, ¹	Marlborough.
Benton, Gladys Read, ¹	Watertown.
Blair, Hazel E., ¹	Springfield.
Bonney, Marjorie, ¹	New Bedford.
Boynton, Eva Louise,	South Framingham.
Bowlby, Abbie Hannah,	Watertown.
Brophy, Anna Louise,	Saxonville.

¹ Household arts.

Brown, Gladys L.,	Deerfield.
Brown, Martha Butler, ¹	Rockport.
Buck, Mildred Elvira,	Wilmington.
Burgess, Ruth Hildreth,	West Newton.
Butler, Florence M.,	Southborough.
Carroll, Elizabeth A.,	Waltham.
Chase, Cora Johnson, ¹	South Framingham.
Churchill, Florence Gilberta, ¹	Worcester.
Clarke, Marion Jennette,	East Longmeadow.
Cline, Jennie,	Holliston.
Cochrane, Ellen Aloyse,	Brookline.
Coffey, May Monica,	Fall River.
Coffin, Charlotte R., ¹	Dorchester.
Cogswell, Edna Louise, ^{1, 2}	Malden.
Colburn, Marian,	Wellesley.
Coleman, Helena Marie,	Natick.
Collins, Donna H., ¹	Amesbury.
Connors, Elizabeth,	Watertown.
Cuff, Gertrude Dorothy,	Norwood.
Cunningham, Esther Dorothy,	Fall River.
Cutler, Fannie Park,	Waltham.
Dacey, Mary Elizabeth,	Natick.
Dallinger, Mildred Eleanor, ¹	Cambridge.
Dean, Gladys Frederika,	Millis.
Deary, Marguerite,	Newtonville.
DeLoura, Lena May,	Edgartown.
DePasquale, Mary Emma A.,	Milford.
Devin, Nora Mae,	Westborough.
Dix, Marion Frances,	West Newton.
Donovan, Mary Agnes,	Natick.
Dooley, Mary Agnes, ¹	Worcester.
Fairbanks, Gladys H.,	Southborough.
Farrar, Clara L.,	Cambridge.
Fay, Eva B.,	Grafton.
Field, Louise, ¹	Brockton.
Finn, Mary Elizabeth,	Southborough.
Fleming, Elizabeth Gertrude,	North Grafton.
Forknall, Odessa Beatrice,	Newton.

¹ Household arts.² Deceased.

Graves, Alice May,	Waltham.
Gallagher, Mary,	Northborough.
Giblin, Dora Margaret,	Marlborough.
Grant, Marie Josephine,	Newton.
Gregg, Mary W.,	Natick.
Hall, Constance Langdon,	Waltham.
Hamblett, Lucy Ellen,	Southborough.
Harding, Sarah Lewis,	Haverhill.
Harney, Marion,	South Framingham.
Harris, Harriet Eugenia, ¹	Deerfield.
Harris, Lillian E., ¹	Newtonville.
Harris, Zetta May, ¹	Worcester.
Harwood, Emma Lodoyska, ¹	Petersham.
Hatch, Mabel Fairfield, ¹	Somerville.
Hawkes, Alice Madeline, ¹	South Framingham.
Hogan, Irene Charlotte,	Milford.
Holden, Dorothy Berrian,	Millis.
Howland, Mildred A., ¹	Fairhaven.
Huckins, Marion Emma, ¹	North Grafton.
Jacobs, Antoinette Elizabeth,	Norwell.
Jones, Mildred,	Marlborough.
Kelly, Anastasia M.,	Hopkinton.
Kendall, Ethel Marguerite,	South Framingham.
Kendall, Grace Phyllis, ¹	Worcester.
Kennedy, Lena Catherine,	Uxbridge.
Kiley, Mary Elizabeth,	Natick.
Kingsbury, Margaret Pearl,	Medfield.
Knights, Edith Louise,	Natick.
Lane, Margaret Frances, ¹	Leominster.
Lincoln, Ruby May, ¹	South Framingham.
Loker, Lena Harriet,	Cohituate.
Lombard, Lou, ¹	Dedham.
Lufkin, Helen Tuck, ¹	Gloucester.
Lyman, Katherine Helen,	Milford.
Lynch, Elizabeth Cecilia,	Marlborough.
Lynch, Mary Katherine, ¹	Marlborough.
Mackenzie, Catherine M.,	Needham.
Macurdy, Louise Bradford,	Watertown.
Manning, Amy Charlotte, ¹	Brockton.

¹ Household arts.

Mansfield, Ruth,	Sherborn.
McCarthy, Helena Julia,	North Acton.
McCarthy, Julia Agnes,	Norwood.
McCourt, Mary Frances,	Newton Lower Falls.
McFarland, Rozetta Walker,	Somerville.
McGill, Kathleen Louise,	Marlborough.
McLean, Etta May,	South Framingham.
Meserve, Helen Louise, ¹	South Framingham.
Montgomery, Lucy May, ¹	Fitchburg.
Moore, Edith F., ¹	Somerville.
Morrison, Louise Finan,	South Framingham.
Moynihan, Grace M., ¹	Holliston.
Murray, Sarah, ¹	Dedham.
Newcomb, Rebekah Antoinette, ¹	Worcester.
Newton, Christine Marion, ¹	Winchester.
Parmenter, Clara Geraldine,	Ashland.
Pendleton, Marion E., ¹	Melrose Highlands.
Philbrick, Helen Gertrude, ¹	Newburyport.
Poore, Marguerite,	West Medford.
Prescott, Ruth Caroline, ¹	Amesbury.
Ray, Alice Catherine,	Westborough.
Rice, Sophia E., ¹	Palmer.
Riley, Ellen Frances, ¹	Amesbury.
Ring, Olive Gertrude,	Concord Junction.
Rockwell, Gertrude Margaret,	Hopedale.
Rooney, Ellen Catherine,	Brookline.
Rose, Marjorie, ¹	Haverhill.
Rowland, Grace Darling,	Framingham.
Russell, Emily Christiana, ¹	North Hadley.
Sanborn, Gertrude, ¹	Spencer.
Sawyer, Ethel Mae,	Waltham.
Scott, Annie D., ¹	Worcester.
Shedd, Edith Luciette, ¹	Newton Highlands.
Small, Madaline, ¹	Somerville.
Smith, Geneva Clifford, ¹	Rockport.
Sparhawk, Sara Louise,	Sherborn.
Sproule, Mary Nelson,	South Natick.
Standish, Delight Reed, ¹	Dighton.

¹ Household arts.

Stimson, Gladys,	Rockport.
Stone, Abia E.,	Holliston.
Taft, Violet Zell, ¹	Springfield.
Towle, Margaret Stratton,	Concord.
Travers, Alice Winifred,	Ashland.
Videto, Caroline, ¹	South Framingham.
Videto, Lilian W., ¹	South Framingham.
Ward, Florence Ida,	Malden.
Ward, Helen Gordon,	Framingham.
Wass, Ethel May,	Chelsea.
Watts, Marion Jennie,	Malden.
Weller, Ethel,	Watertown.
Whitney, Alberta Mary, ¹	Watertown.
Williams, Marion Frances,	South Framingham.

Seniors,	101
Middle juniors,	23
Juniors,	145
Total,	269

¹ Household arts.

GRADUATES—JUNE 23, 1909.

Adams, Isabel Mason,	South Framingham.
Andrews, Constance Veronica,	Ashland.
Barry, Anna Helen,	Marlborough.
Bemis, Alice Louise, ¹	Spencer.
Blood, Edith V.,	Medfield.
Burr, Nina Marion,	Mendon.
Brown, Emilie Marie,	Thomaston, Me.
Bruce, Anna Inez,	West Medway.
Bryant, Marion Augusta, ¹	Newtonville.
Bullard, Marian, ¹	South Framingham.
Burgess, Margaret Goulding,	West Newton.
Burke, Kathryn Clifford,	Milford.
Burnett, Berta Marshall,	Millis.
Cahill, Elizabeth Margaret,	Montague City.
Carr, Mary Elizabeth,	Grafton.
Clark, Gertrude Livermore,	Medway.
Clark, Ruth Pease,	Springfield.
Collins, Harriet M., ¹	Natick.
Cousens, Grace Evelyn, ¹	Somerville.
Crowell, Blanche Weston,	Rockland.
Daniels, Laura A.,	Foxborough.
Deering, Susie Kennedy,	South Framingham.
Delay, Julia Mary,	Somerville.
Drake, Mary Louisa,	Natick.
Drennan, Sara A.,	Newton.
Drummy, Julia Imelda,	Norwood.
Dwyer, Anna Mary,	West Upton.
Esten, Agnes Elsie,	Amesbury.
Fallon, Margaret Mary,	Concord.
Fisher, Julia Adams, ¹	Gloucester.
Fiske, Maria Elizabeth, ¹	Natick.
Fleming, Cora E.,	Worcester.

¹ Graduates from the three years' course, household arts department.

Flynn, Mary Gertrude,	Marlborough.
Follensby, Agnes Harriet, ¹	Cordaville.
Frost, Emma Travis,	Natick.
Gaillac, Flora Mildred,	Chelsea.
Gleason, Julia Frances,	Concord.
Garaway, Frances S.,	Waltham.
Gately, Angela Frances,	Marlborough.
Gibbons, Mary Louise,	Brookline.
Glennon, Kathryn Marguerite,	Milford.
Green, Ada G.,	Westborough.
Hanson, Magdalene Beatrice,	Winchester.
Hastings, Julia Frances,	Clinton.
Haviland, Jessica, ¹	Norwich, Conn.
Hill, Dorothy Martha,	Natick.
Hinkley, Bertha Elizabeth,	Holliston.
Hopkins, Mary Cecilia,	Concord.
Hunter, Mary Lincoln,	West Newton.
Hurley, Mary Margaret,	Marlborough.
Johnson, Edith Caroline,	North Grafton.
Kehoe, Sara Louise, ¹	Worcester.
Kelley, Winifred A.,	Grafton.
Kenway, Florence Louise, ¹	Newton.
Killelea, Teresa Bernardine, ¹	Worcester.
Kirkley, Edith Dean,	South Attleborough.
Kingsbury, Louise, ¹	South Framingham.
Koppmann, Mildred L.,	Dedham.
Lee, Annie E.,	Greenwood.
Littlefield, Theo Ethel,	North Abington.
Loring, Margaret, ¹	Newton Center.
Lowe, Jessie Mildred,	East Milton.
Lunt, Ruth,	Whitinsville.
Lyman, Helen, ¹	Hudson.
Lyons, Helena,	Jamaica Plain.
Mathewson, Beatrice Irene,	Fall River.
Mathews, Mary Frances,	Westborough.
McKeen, Nina M.,	Saxonville.
McKennelly, Katherine Francis,	Hopkinton.
McNeil, Margaret Gilchrist,	Walpole.

¹ Graduates from the three years' course, household arts department.

Merchant, Mary V.,	Westborough.
Moulton, Mildred E., ¹	Hudson.
Murray, Katherine Emily,	Winchester.
Niven, E. Gladys, ¹	Concord Junction.
Norris, Eva Salter,	Worcester.
O'Connor, Annie,	Rockland.
Orton, Louise,	Waltham.
Osgood, Millie E., ¹	Greenfield.
Phillips, Ethel Maude,	Huntington.
Plummer, Edith Almira,	Hanover, N. H.
Powers, Katherine Anastasia,	Concord.
Preble, Eleanor Chapman, ¹	Somerville.
Quackenbush, Mary Theresa,	Natick.
Reardon, Lillian M.,	Waltham.
Richards, Bertha Wood,	Somerville.
Ritch, Mabel, ¹	So. Woodstock, Ct.
Robbins, Marguerita Louise,	West Newton.
Rourke, Margaret Christina,	Fall River.
Russell, Ethelyn Josephine,	Weston.
Ruth, Louise A.,	Concord.
Sanborn, Stella Veasey,	Amesbury.
Shaw, Marion Bartlett, ¹	Bridgewater.
Sinclair, Marion E.,	Ashland.
Stoughton, Ruth, ¹	Montague.
Sullivan, Grace Lillian,	Foxborough.
Thrasher, Laura Fairbanks,	Millis.
Traill, Annie H.,	Marlborough.
Vibberts, Florine Cornelia, ¹	Manchester, Ct.
Wallis, Grace Eugenia,	Waltham.
Welch, Helen Call, ¹	Somerville.
White, Mabel Frances, ¹	Spencer.
White, Mildred Emery,	Milford.
Winter, Blanche Natalie,	Westborough.
Young, Helen Elizabeth, ¹	Clinton.

¹ Graduates from the three years' course, household arts department.

GRADUATE LIST OF THE MARY HEMENWAY DEPARTMENT OF HOUSEHOLD ARTS.

Class of 1886.

Mayo, Lovey A.,	Private work, Raleigh, N. C.
Torrey, Emeline E.,	Instructor in cookery, public schools, Boston, Mass.
Wiley, Nettie Morton,	Teacher of sciences, high school, Pea- body, Mass.

1887.

No class given for 1887. The School opened in the Rutland Street primary school building that year. The first class, 1886, was trained at the "Starr King School," Tennyson Street, Boston, Mass.

Class of 1888.

Bullard, Isabel D.,	Mrs. Lawrence E. Brown, Lynn, Mass.
Coffin, Anna B.,	Mrs. Edwin E. Elms, Newton, Mass.
Duff, Caroline J.,	Mrs. James O. Jordan, Dorchester, Mass.
Little, Mary A.,	Minneapolis, Minn.
McClure, Anna,	Deceased.
McNear, Mary L.,	Clafin University, Orangebury, S. C.
Morris, Josephine,	Supervisor of household science and arts, Boston public schools.
Parks, Maria A.,	Mrs. Ernest R. Greene, Allston, Mass.
Starbuck, Margaret C.,	Private work, Jamaica Plain, Mass.
Winship, Kate C.,	Mrs. David A. Andrews, Jr., Allston, Mass.

Class of 1889.

Ballou, Charlotte,	Mrs. John P. Mallet, Madison, Wis.
Brown, Katharine C.,	Mrs. Peter F. Kelley, Somerville, Mass.
Corbett, Agnes G.,	Mrs. John B. Graham, Charlestown, Mass.
Cornelius, Annie E.,	Mrs. John H. Colby, Boston, Mass.
Cushing, Helen G.,	Watertown, Mass.

French, Lina,	Mrs. Charles S. Furber, Covington, Ky.
Gordon, Elsie,	Mrs. George H. Richter, Dorchester, Mass.
Homans, Gertrude,	Wellesley, Mass.
Lovell, Mary,	Mrs. Edward Baker, Montreal, Can.
Mitchell, Mary C.,	Instructor in cookery, public schools, Boston, Mass.
Pulcifer, Carrie M.,	Mrs. Wm. J. Shaw, deceased.
Stone, Abbie,	Instructor in Household Arts, N. W. Cooking School, 15th and Race streets, Philadelphia, Pa.
Walsh, Mrs. Emma F.,	Mrs. Mac F. Weston, Kerrville, Tex.

Class of 1890.

Cheever, Helen,	Private work, Boston, Mass.
Conley, Carrie H.,	Mrs. Wilfred H. Chapin, Newport, R. I.
Coolidge, Catherine J.,	Mrs. George Tatnall, Sudbury, Mass.
Duff, Ellen L.,	Sister Loretto Basil, instructor in domestic science and household arts, College of St. Elizabeth, Convent Station, N. J.
Emery, Constance,	Mrs. Alfred S. Ellis, Quincy, Ill.
Nicholass, Louisa A.,	State Normal School, Framingham, Mass.
Shedd, Helen H.,	Mrs. Russell A. Ballou, Cambridge, Mass.
Ward, Ellen S.,	Private work, Boston, Mass.
Weaver, Angeline M.,	Instructor in cookery, public schools, Boston, Mass.

1891.

No class graduated in 1891. The school was closed for a year.

Class of 1892.

Babcock, Carrie L.,	Mrs. Herbert E. Locke, Newton Upper Falls, Mass.
Bates, Elizabeth C.,	Instructor of domestic science, public schools, New York City.
Baxter, Dolly A.,	Quincy, Mass.
Flagg, Etta P.,	Assistant supervisor of domestic science, Los Angeles, Cal.
Hobart, Anna,	Mrs. George J. Peirce, Stanford University, Cal.

Hollis, Sarah A.,	Private work, Milton, Mass.
Hughes, Julia A.,	Instructor in cookery, public schools, Boston, Mass.
Jones, Helen L.,	Private work, Roxbury, Mass.
Little, Elizabeth H.,	Mrs. William Ilsley, Newburyport, Mass.
Nickleson, Alice G.,	Mrs. Frank E. Babcock, Wellesley, Mass.
Perry, Nellie,	Mrs. Charles N. Perry, deceased.
Randall, Lydia M. B.,	Mrs. George A. Randall, Roslindale, Mass.

Class of 1893.

Bartlett, Grace H.,	Mrs. Horace Fox, Bath, Me.
Driver, Mary A.,	Mrs. William S. Perie, Baltimore, Md.
Estee, Martha C.,	Deceased.
Fraser, Agnes A.,	Mrs. Alphonse Boursand, Brooklyn, N. Y.
Greenwood, Grace,	Critic teacher, Macdonald Institute, Guelph, Can.
Hazen, Bessie E.,	Student, Teacher's College, New York City.
Murphy, Ellen B.,	Instructor in cookery, public schools, Boston, Mass.
Smith, Lillie C.,	Teacher of domestic science, Mechanic Arts High School, Brookline, Mass.
Stevenson, Florence A.,	Mrs. Cyrus G. Lewis, Roxbury, Mass.
Stoner, Minnie Ava Nella, S.B.,	Professor of domestic economy and dean of Women's University of Wyoming, Laramie, Wyo.
Treat, N. Florence,	Instructor in cookery, public schools, Boston, Mass.
Walker, Helen M.,	Mrs. Frank M. Seamens, Brookline, Mass.

Class of 1894.

Batchelder, Grace Darling,	Instructor in domestic science, public schools, Boston, Mass.
Bradt, Cecilia K.,	Instructor in dietetics and institutional management, Carnegie Institute, Pittsburgh, Pa.
Cox, Ella F.,	Private work, Shelton, Ct.
Crowley, Julia T.,	Instructor in cookery, public schools, Boston, Mass.
Donham, S. Agnes,	Housekeeper and Purveyor, Vermont Sanatorium, Pittsford, Vt.

Hurd, Carrie L.,	Mrs. Henry B. Mowbray, Oakland, Cal.
Jubb, Mary E. S.,	Mrs. William H. Ditson, teacher of domestic science, public schools, Brookline, Mass.
Manning, Alice Lee,	Mrs. Guy Goodwin Fernald, Concord Junction, Mass.
Pattee, Adeline M.,	Mrs. John A. Hummel, St. Anthony Park, Minn.
Pattee, Alida Frances,	Special lecturer on dietetics, author of "Practical Dietetics," New York.
Sheldon, Sarah H.,	Mrs. Henry L. Reynolds, West Medford, Mass.
Stanley, Emily W.,	Matron of boarding halls, State Normal School, Framingham, Mass.
Williams, Alice M.,	Instructor in cookery, public schools, Lynn, Mass.

1895.

No class graduated in 1895. The course was changed in 1894 to two years.

Class of 1896.

Jones, Mary C.,	Teacher of cookery, public schools, Brookline, Mass.
Norton, Mrs. Alice P., A.M.,	Assistant professor household administration, School of Education, Chicago University, Chicago, Ill.
Sibley, Ellen G.,	Mrs. S. H. Bryden, Waltham, Mass.
Troup, Ella,	Mrs. Arthur Jackson, Winthrop, Mass.

Class of 1897.

Daniels, Amy Louise, B.S.,	Supervisor household science and arts, Technical High School, Springfield, Mass.
Sumner, Elizabeth T., B.S.,	Mrs. Harry A. Harwood, Newtonville, Mass.

Class of 1898.

Cummins, Mrs. Roberta M.,	Instructor in cookery, public schools, Boston, Mass.
Fay, Margaret A.,	Mrs. James M. Driscoll, Roxbury, Mass.

Hunneman, Frances H.,	Private work, Roxbury, Mass.
Sprague, Elizabeth C.,	Assistant in home economics, Chicago University, Chicago, Ill.
Young, Viola,	Private work, Brooklyn, N. Y.

It is hoped that next year the list of classes from 1886 to 1898, inclusive, will be enlarged by material not now available.

Class of 1899.

Daniels, Ada Eudora,	Supervisor of cookery in district schools of Hartford, Ct.
Flint, Bertha Winthrop,	Mrs. Charles Lane Hansen, Cambridge, Mass.
Macomber, Betsey Aphrop,	Private work, Newton Center, Mass.
Noyes, Martha B.,	Settlement work, Hartley House, New York.
Palmer, Elizabeth D.,	Instructor in household science, Howard University, Washington, D. C.

Class of 1900.

Brigham, Clara,	Mrs. Arthur P. Bennett, Jamaica Plain, Mass.
Burbank, Annie F.,	Head of domestic science department, Northfield Seminary, East Northfield, Mass.
Burrage, Emeline,	Mrs. James H. Barnard, Norwell, Mass.
Byington, Grace Whitney,	Teacher of domestic science, Hackley Manual Training School, Muskegon, Mich.
Clark, Charlotte Frye,	Literary work with American Baptist Missionary Union, Boston, Mass.
Holbrook, Florence,	Teacher of cookery, superintendent of dining hall, for Plymouth Cordage Company, Plymouth, Mass.
Hunter, Susan Bullard,	Teacher of cookery, public schools, Waltham, Mass.
Lake, Mary Mills,	Teacher of sewing, public schools, Medford, Mass.
Russell, Mary,	Mrs. Ernest G. Adams, Worcester, Mass.
Spring, Mary Starr,	Mrs. Otto L. Schofield, Newton Lower Falls, Mass.

Class of 1901.

Chandler, Mabel W.,	Teacher of cookery, public schools, New Bedford, Mass.
Conant, Mabel E.,	Mrs. Ethelbert H. Gartrell, deceased.
Phillips, Amy F.,	Teacher of cookery, public schools, Nashville, Tenn.
Rochford, Minnie E.,	Private work, Wellesley, Mass.
Tower, Alma Louise,	Private work, Auburndale, Mass.
Woodward, Ellen Dale,	Charge of girls' dormitories, Syracuse University, Syracuse, N. Y.

Class of 1902.

Alden, Priscilla E.,	Mrs. Arthur W. Blakemore, Newton, Mass.
Ballantyne, Irene Edson,	Mrs. E. Lester Larkin, Hudson, Mass.
Browning, Elizabeth,	Instructor in household science, Wheaton Seminary, Norton, Mass.
Came, Clara Louise,	Mrs. Edward Draper Jerome, Cambridge, Mass.
Eddy, Edith Elizabeth,	Mrs. John Gilbert Andrews, Newton, Mass.
Elder, Lucy May, B.S.,	Lynnfield, Mass.
Filoon, Kathryn Harrison,	Teacher of domestic science, public schools, Washington, D. C.
Fitts, Alice Miriam,	Dietitian, Wm. W. Backus Hospital, Norwich, Ct.
George, Nina M.,	Mrs. Edwin Otis Blair, Springfield, Mass.
Hurd, Edythe F.,	In charge of Vacation House, South Framingham, Mass.
Maddocks, Mildred,	Culinary editor of "Good Housekeeping."
Nagle, Ina J.,	Mrs. Carrol H. Perkins, Grand Rapids, Mich.
Palmer, Elizabeth P.,	Mrs. Francis Joseph Carney, Cambridge, Mass.
Sweet, Anne M.,	Mrs. Ernest A. Wells, Hartford, Ct.
Willcox, Mary St. John,	Mrs. Raymond Smith Jewett, Mt. Vernon, N. Y.

Class of 1903.

Henry, Ella,	Teacher of domestic science, public schools, Denver, Col.
King, Lucy C.,	Instructor in household arts, Rhode Island State Normal School, and Y. W. C. A., Providence, R. I.
Mudge, Hope Rawson,	Principal and teacher of cookery, public schools, Haverhill, Mass.
Penniman, Annie Blanche,	Assistant in household arts, Normal School, Framingham, Mass.
Rose, Flora,	Instructor and lecturer, department of home economics, Cornell University, Ithaca, N. Y.
Sherman, Marguerite,	Housekeeper, Industrial School, New York Orthopaedic Hospital, White Plains, N. Y.
Staples, Clara Goodwin,	Instructor of household arts and sewing, High School of Agriculture, Petersham, Mass.
Stone, Pauline Kingsbury,	Mrs. Prescott Spaulding Hill, Waban, Mass.
Williams, Margaret,	Teacher of domestic science, public schools, New York City.

Class of 1904.

Atkinson, Jessie A.,	Instructor in domestic science, public schools, Boston, Mass.
Bates, Sarah Loveland,	Assistant at Miss Farmer's School of Cookery, Boston, Mass.
Brooks, Lilian Carter,	Housekeeper, Hale Hospital, Haverhill, Mass.
Carpenter, Winifred M.,	Teacher of domestic science, public schools, Washington, D. C.
Cooke, Amelia Avery,	Instructor of cookery, public schools, Hartford, Ct.
Cutler, Edna May,	Private work, Brooklyn, N. Y.
Farnham, M. Lola,	Graduate nurse, St. Louis, Mo.
Parsons, Marion Wilder,	Assistant superintendent of Simmons College dormitories, Boston, Mass.

- Soper, Henrietta Isabelle, . . . Assistant superintendent lunch room, Women's Educational and Industrial Union, Boston, Mass.
- Wade, Theresa Lillian, . . . Matron, Memorial Hospital, Worcester, Mass.
- Walker, Julia Esther, . . . Mrs. Jed Daniel Perkins, Johnson, Vt.
- Welling, Frances Searle, . . . Mrs. William Dalman Gowdy, Trenton, N. J.
- Whitaker, Sarah Bartlett, . . . Instructor in domestic science and dress-making, Burnham School, Northampton, Mass.

Class of 1905.

- Bayley, Agnes H., . . . Mrs. Howard Hebblethwaite, Deal, N. J.
- Greene, Stella Sarah, . . . Mrs. Martin K. Pasco, Jr., New Britain, Ct.
- Hayden, Florence M., . . . Cookery and sewing, free reading rooms, Waltham, Mass.
- Newton, Ruby Harriet, . . . Mrs. Everett B. Parke, Jr., Cambridge.
- O'Brien, Clara Jane, . . . Teacher of cookery, public schools, Boston, Mass.
- Ross, Bella J., . . . Mrs. William Edmand Johnston, Allston, Mass.
- True, Margaret L., . . . Teacher of cookery, public schools, Denver, Col.
- Warren, Cora F., . . . Instructor in household arts, public schools, Rutland, Vt.

Class of 1906.

- Beck, Marie Louise, . . . Instructor in domestic science, public schools, New York City.
- Cain, Marguerite M., . . . Dietitian, Infants' Hospital, Randall's Island, New York.
- Carlson, Ida Alvina, . . . Mrs. Lawrence McGuill, New York City.
- Cauley, Sarah Louise, . . . Teacher of cookery, public schools, Boston, Mass.
- Cauley, Mary Winifred, . . . Teacher of cookery, public schools, Boston, Mass.
- Crummett, Grace May, . . . Instructor of household science, Drexel Institute, Philadelphia, Pa.

- Cushing, Elizabeth Burton, . . . Instructor in domestic science, public schools, Boston, Mass.
- Dow, Ula, . . . Assistant professor, domestic science department, Kansas State Agricultural College, Manhattan, Kan.
- French, Lucile Grace, . . . Student and assistant teacher, Teachers' College, New York City.
- Godfrey, Gratia Lucretia, . . . Superintendent of Albany Guild Diet Kitchen, Albany, N. Y.
- Hall, Mildred Lisbeth, . . . Dietitian, Hartford Hospital, Hartford, Ct.
- Nickerson, Elizabeth C., . . . Instructor in cookery and housekeeping, Carnegie Institute, Pittsburgh, Pa.
- Pingree, Elizabeth Nelson, . . . Dietitian, Bellevue Hospital, New York City.
- Simpson, Marion Faustina, . . . Instructor of science and household arts, Foulke & Long Institute, Eden, Bucks County, Pa.
- Smith, Annie Wallace, . . . Mrs. Jasper R. Swain, Cambridge, Mass.
- Willis, Clara, . . . Assistant in domestic science department, Kansas State Agricultural College, Manhattan, Kan.
- Witt, Irene Anna, . . . Mrs. Ralph Hayden, Anaconda, Mont.

Class of 1907.

- Brush, Mary Judson, . . . Instructor of domestic science, Colorado Agricultural College, Fort Collins, Col.
- Livermore, Olive Boynton, . . . Private work, Wilton, N. H.
- Turner, Mabel Ruth, . . . Dietitian, Hill Crest Surgical Hospital, Pittsfield, Mass.

Class of 1908.

- Blake, Elsie Hallas, . . . Dietitian and housekeeper, Clinton Hospital, Clinton, Mass.
- Blood, Grace Frances, . . . Dietitian, Cooper Hospital, Camden, N. J.
- Clarke, Dorothy Prentiss, . . . Assistant dietitian, Clifton Springs Sanatorium, Clifton Springs, N. Y.
- Kingsbury, Alice Marian, . . . Mrs. Frank W. Cady, Middlebury, Vt.
- Leonard, Florence Louise, . . . Instructor in household arts, Industrial School, Florence, N. J.

- Tillson, Maud Rose, . . . Mrs. Harry Ray Coburn, Tewksbury, Mass.
 Tower, Martha, . . . Instructor in cookery and sewing, Lincoln and Southborough, Mass.

Class of 1909.

- Bemis, Alice L., . . . Private work, Spencer, Mass.
 Bryant, Marion A., . . . Instructor in household arts, sewing, French and science, Amesbury, Mass.
 Bullard, Marian, . . . Instructor in cookery, public schools, Medford, Mass.
 Collins, Harriet M., . . . Teacher in knitting and sewing, Kindergarten for the Blind, Jamaica Plain, Mass.
 Cousens, Grace Evelyn, . . . Instructor in cookery, public schools, Haverhill, Mass.
 Fisher, Julia A., . . . Teacher of sewing, public schools, Danbury, Ct.
 Fiske, Marie E., . . . In charge of Teachers' Refectory, Hampton Institute, Va.
 Follensby, Agnes H., . . . Teacher of household arts, Massachusetts School for the Feeble-minded, Waverley, Mass.
 Haviland, Jessica, . . . Assistant in household arts and sciences, State Normal School, Framingham, Mass.
 Kehoe, Sarah L., . . . City Hospital, Worcester, Mass.
 Kenway, Florence L., . . . Teacher of cookery, Stearns Neighborhood House, Nonantum, Newton, Mass.
 Killelea, Teresa B., . . . Instructor in sewing and grade work, public schools, Oxford, Mass.
 Kingsbury, Louise, . . . Instructor in domestic science department, Hampton Institute, Va.
 Loring, Margaret, . . . Instructor in household arts and sciences, Drew Seminary, Carmel, N. Y.
 Lyman, Helen, . . . Private work, Hudson, Mass.
 Moulton, Mildred, . . . In charge of domestic science department, Hampton Institute, Va.
 Niven, E. Gladys, . . . Instructor in domestic science, public schools, Westbrook, Me.

- Osgood, Millie E., . . . Mission work, Deaconess Home, Fall River, Mass.
 Preble, Eleanor C., . . . Instructor in cookery, Weston School for Girls, Roxbury, Mass.
 Ritch, Mabel, . . . Teacher of household arts, George Junior Republic, Freeville, N. Y.
 Shaw, Marion B., . . . Instructor in domestic science, public schools, Rockland, Me.
 Stoughton, Ruth, . . . Dietitian, State Sanatorium, Rutland, Mass.
 Vibberts, Florine C., . . . Private work, Manchester, Ct.
 Welch, Helen C., . . . Assistant, Albany Guild Diet Kitchen, Albany, N. Y.
 White, Mabel F., . . . Private work, Spencer, Mass.
 Young, Helen E., . . . Assistant in household arts and chemistry, State Normal School, Framingham, Mass.

Concerning Rooms in the Boarding Halls connected with the School.

Just as soon as you decide to enter the school, if you wish to have a room reserved for you, please fill out fully the attached form, tear it off and mail it to me.

When the catalogue says: "Those who intend to room in one of the boarding halls must make application for a room," it does not mean that each student has a room by herself.

Owing to the large number who desire to room in one of the halls, it is impossible to supply single rooms.

If for any reason, at any time before the opening of the school, you are compelled to give up the room you have engaged, please be kind enough to notify me of your intention to do so.

It is a source of great inconvenience and oftentimes it results in a loss of students to the school when no notice is given that the room will not be wanted.

HENRY WHITTEMORE,

Principal.

HENRY WHITTEMORE, Normal School, Framingham, Mass.

Please reserve for me, until otherwise requested, a room in one of the boarding halls, beginning September..... 191

Miss.....

Street Address.....

Name of City or Town.....

What course do you intend to take ?